BAA06 Proposals Selected for Negotiations from Solicitation Number DE-SC52-05NA26703

Contract / Task Title	Number	Lead Performing Org.	Sponsoring Org.
Development of rugged, low power, compact Silicon MEMS sensors for use in Nuclear Explosion Monitoring	BAA06-16	KMI	AFRL
Crustal and Upper Mantle Structure from Receiver Function Analyses	BAA06-28	Multimax	AFRL
3-D Velocity Tomography	BAA06-29	Multimax	AFRL
Analysis of Shear Wave Generation by Decoupled and Partially Coupled Explosions	BAA06-46	SAIC	AFRL
Modeling P Wave Multimpathing at Regional Distances (13degrees - 30degrees)	BAA06-53	SLU	AFRL
A Unified Full Waveform-based Approach for Refined Seismic Velocity Models and Attenuation Structure	BAA06-60	SAIC	AFRL
Seismic and Infrasound Energy Generation and Propagation at Local and Regional Distances: Active Experiments in the Western United States	BAA06-64	SMU	AFRL
Seismic Source Scaling and Discrimination in Diverse Techonic Environments	BAA06-70	BU	AFRL
Improved Characterization of Far-Regional and Near-Teleseismic Phases Observed in Central Asia	BAA06-86	Weston	AFRL
Geologic Studies and Ground Truth Collection	BAA06-89	Weston	AFRL
Regional P Coda For Stable Estimates of Body Wave Magnitude: Extending the Ms:Mb Discriminant to Smaller Events	BAA06-90	Weston	AFRL
Transition Zone Wave Propagation: Characterizing P and S Travel Time and Amplitude Behavior	BAA06-94	Scripps/IGPP	AFRL
Spectral Studies of Shallow Earthquakes and Explosions: Implications For P/S Energy Partitioning, Stress Drop and Discrimination	BAA06-98	Scripps/IGPP	AFRL
Advanced Waveform Simulation for Seismic Monitoring Events	BAA06-04	Caltech	NNSA
Developing and Exploiting a Unique Seismic Dataset from South African Gold Mines for Source Characterization and Wave Propagation	BAA06-06	PSU	NNSA
Robust Magnitude and Path Corrections for Regional Seismic Phases in Eurasia by Constrainted Inversion and Enhanced Kriging Techniques	BAA06-19	ATK	NNSA
A Multi-Layer Phoswich Radioxenon Detection System	BAA06-36	OSU	NNSA
Mechanically Cooled Large-Volume Germanium Detector Systems for Nuclear Explosion Monitoring	BAA06-37	PHD	NNSA

Identifying Isotropic Events using an Improved Regional Moment Tensor Inversion Technique	BAA06-42	UCB	NNSA
Regional-Scale Differential Time Methods: Development and Application to the Siberia Data Set	BAA06-77	UW-Madison	NNSA
Optical Fiber Infrasound Sensor Experiments: Coded Signal Calibration and Real-Time Source Tracking	BAA06-41	Scripps/IGPP	SMDC
Improved Infrasound Locations through Refining Atmospheric Models Using Wind Data and Many Ground-Truth Infrasound Events	BAA06-51	SAIC	SMDC
Infrasound Propagation in the Zone of Silence	BAA06-62	SMU	SMDC
Modeling the Complete Infrasound Wavefield to Local and Regional Distances	BAA06-95	Scripps/IGPP	SMDC